

MELcxS35-56

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#KT630290.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK01/2005 ATGGGTGATT TGGTTTTCTA TGATGTCGCA TCCACAGGTG CAAATGGATT TGATCC TGAT GCAGGGTATG TGGCATTAT [ 80]
#KT630293.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK02/2005 ..... [ 80]
#MH016786.1_Keystone_virus_strain_KEYV/Homo_sapiens/Gainesville-1/2016_nucleopro ..... [ 80]
#KX817323.1_Keystone_virus_strain_B64-5587.05_segment_S_complete_sequence ..... [ 80]
#MG821231.1_Keystone_virus_isolate_AR14033_segment_S_complete_sequence ..... [ 80]
#MG765471.1_Keystone_virus_isolate_AVA1709441_nucleocapsid_and_NSs_genes_complet ..... [ 80]
#KX817329.1_Melao_virus_strain_TRVL_9375_segment_S_complete_sequence .....A....A.C..T.. ..A.....A.....C.....C [ 80]
#KX817335.1_Serra_do_Navio_virus_strain_BeAr_103645_segment_S_complete_sequence .....A.....T.....A.C.....A.....T..... [ 80]
#KX817320.1_Jerry_Slough_virus_strain_BFS_4474_segment_S_complete_sequence .....A....A....T.....A.....T..... [ 80]
#KX817338.1_South_River_virus_strain_NJO-94F_segment_S_complete_sequence .....A.....T.....A.....T..... [ 80]
#GU018050.2_South_River_virus_isolate_SORV-252_nucleoprotein_and_NSs_protein_gen .....A.....C..T.....A.....T..... [ 80]
#EF681804.1_Jamestown_Canyon_virus_isolate_5592-02_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681805.1_Jamestown_Canyon_virus_isolate_368-99_segment_S_nucleocapsid_protein .....A..C.....T.....A.....T..... [ 80]
#EF681806.1_Jamestown_Canyon_virus_isolate_6163-03_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681807.1_Jamestown_Canyon_virus_isolate_468-04_segment_S_nucleocapsid_protein .....A.....T.....A.....T..... [ 80]
#EF681808.1_Jamestown_Canyon_virus_isolate_2179-00_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681809.1_Jamestown_Canyon_virus_isolate_779-98_segment_S_nucleocapsid_protein .....A.....T.....A.....T..... [ 80]
#EF681810.1_Jamestown_Canyon_virus_isolate_810-98_segment_S_nucleocapsid_protein .....A.....T.....A.....T..... [ 80]
#EF681811.1_Jamestown_Canyon_virus_isolate_811-00_segment_S_nucleocapsid_protein .....A..C.....T.....A.....T..... [ 80]
#EF681812.1_Jamestown_Canyon_virus_isolate_1697-03_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681813.1_Jamestown_Canyon_virus_isolate_1425-02_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681814.1_Jamestown_Canyon_virus_isolate_1441-04_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681815.1_Jamestown_Canyon_virus_isolate_928-00_segment_S_nucleocapsid_protein .....A.....T.....A.....T..... [ 80]
#EF681816.1_Jamestown_Canyon_virus_isolate_1064-03_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681817.1_Jamestown_Canyon_virus_isolate_1369-02_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681818.1_Jamestown_Canyon_virus_isolate_1627-04_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681819.1_Jamestown_Canyon_virus_isolate_1810-02_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681820.1_Jamestown_Canyon_virus_isolate_2384-98_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681821.1_Jamestown_Canyon_virus_isolate_2707-01_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681822.1_Jamestown_Canyon_virus_isolate_2718-01_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681823.1_Jamestown_Canyon_virus_isolate_3280-03_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681824.1_Jamestown_Canyon_virus_isolate_3324-04_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681825.1_Jamestown_Canyon_virus_isolate_3573-03_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681826.1_Jamestown_Canyon_virus_isolate_3682-00_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681827.1_Jamestown_Canyon_virus_isolate_4148-03_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681828.1_Jamestown_Canyon_virus_isolate_4473-00_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681829.1_Jamestown_Canyon_virus_isolate_4742-04_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681830.1_Jamestown_Canyon_virus_isolate_2274-05_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681831.1_Jamestown_Canyon_virus_isolate_1472-05_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681832.1_Jamestown_Canyon_virus_isolate_4910-02_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681833.1_Jamestown_Canyon_virus_isolate_275-01_segment_S_nucleocapsid_protein .....A..C.....T.....A.....T..... [ 80]
#EF681834.1_Jamestown_Canyon_virus_isolate_339-05_segment_S_nucleocapsid_protein .....A..C.....T.....A.....T..... [ 80]
#EF681835.1_Jamestown_Canyon_virus_isolate_3836-05_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681836.1_Jamestown_Canyon_virus_isolate_2286-00_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681837.1_Jamestown_Canyon_virus_isolate_1044-05_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681838.1_Jamestown_Canyon_virus_isolate_978-99_segment_S_nucleocapsid_protein .....A..C.....T.....A.....T..... [ 80]
#EF681839.1_Jamestown_Canyon_virus_isolate_4832-01_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681841.1_Jamestown_Canyon_virus_isolate_7101-03_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681842.1_Jamestown_Canyon_virus_isolate_Simsbury_segment_S_nucleocapsid_prote .....A..C.....T.....A.....T..... [ 80]
#EF681843.1_Jamestown_Canyon_virus_isolate_8011-03_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]
#EF681844.1_Jamestown_Canyon_virus_isolate_8536-03_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681845.1_Jamestown_Canyon_virus_isolate_11497-03_segment_S_nucleocapsid_prote .....A..C.....T.....A.....T..... [ 80]
#EF681846.1_Jamestown_Canyon_virus_isolate_13995-03_segment_S_nucleocapsid_prote .....A..C.....T.....A.....T..... [ 80]
#EF681847.1_Jamestown_Canyon_virus_isolate_1768-98_segment_S_nucleocapsid_protei .....A.....T.....A.....T..... [ 80]
#EF681848.1_Jamestown_Canyon_virus_isolate_1385-06_segment_S_nucleocapsid_protei .....A..C.....T.....A.....T..... [ 80]

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#KX817317.1_Jamestown_Canyon_virus_strain_61V2235_segment_S_complete_sequence      ....A.... [ 80]
#MH370817.1_Jamestown_Canyon_virus_isolate_L36708_segment_S_complete_sequence      ....A.... [ 80]
#MH370820.1_Jamestown_Canyon_virus_isolate_MN256-260_segment_S_complete_sequence    ....A....T.. [ 80]
#U12799.1_Jamestown_Canyon_virus_DAV28_S_RNA_segment_N_and_NSs_protein_genes_com    ....A.... [ 80]
#U12796.1_Jamestown_Canyon_virus_61v2235_S_RNA_segment_N_and_NSs_protein_genes_c    ....A....T.. [ 80]
#KM215561.1_Jamestown_Canyon_virus_isolate_W23697_nucleocapsid_protein_and_nonst     ....G....T.. [ 80]
#KT288271.1_Inkoo_virus_strain_LEIV-15248Iv_segment_S_nucleoprotein_(N)_gene_com     ....A....T.. [ 80]
#KT288274.1_Inkoo_virus_strain_LEIV-18154Yak_segment_S_nucleoprotein_(N)_gene_co     ....A....T.. [ 80]
#KT288275.1_Inkoo_virus_strain_LEIV-9874Kar_segment_S_nucleoprotein_(N)_gene_com     ....A....T.. [ 80]
#KT288277.1_Inkoo_virus_strain_LEIV-18784Yak_segment_S_nucleoprotein_(N)_gene_co     ....A....T.. [ 80]
#KT288280.1_Inkoo_virus_strain_LEIV-22780Tyum_segment_S_nucleoprotein_(N)_gene_c     ....A....T.. [ 80]
#KT288283.1_Inkoo_virus_strain_LEIV-18152Yak_segment_S_nucleoprotein_(N)_gene_co     ....A....T.. [ 80]
#KT288286.1_Inkoo_virus_strain_LEIV-21643Kra_segment_S_nucleoprotein_(N)_gene_co     ....A....T.. [ 80]
#KX554935.1_Inkoo_virus_strain_Lovanger_nucleocapsid_protein_and_nonstructural_p     ....A....T.. [ 80]
#U47137.1_Inkoo_virus_Prototype_KN3641_nucleocapsid_protein_and_non-structural_p     ....A....T.. [ 80]
#U47138.1_Inkoo_virus_SW_AR_83-161_nucleocapsid_protein_and_non-structural_prote     ....A....T.. [ 80]
#Z68496.1_Inkoo_virus_RNA_for_N_protein_and_RNA_for_NS_protein_strain_KN_3641       ....A....AA... [ 80]
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MELcxR164-145

#KT630290.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK01/2005	GGCTAACCAT	GGGGAGTCGA	TCAGTCTGTC	AA	CCGTTAGG	ATCTTCTTC	TTAATGC	CGC	AAAG	GCCAAA	GCTGCTCTCA	[160]
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#MH016786.1_Keystone_virus_strain_KEYV/Homo_sapiens/Gainesville-1/2016_nucleopro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[160]
#KX817323.1_Keystone_virus_strain_B64-5587.05_segment_S_complete_sequence	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[160]
#MG821231.1_Keystone_virus_isolate_AR14033_segment_S_complete_sequence	.....C	.....A..A.	.....	.....	.....	.....	.....T.....	.....	.....A.....	.....	.....A.....G	[160]
#MG765471.1_Keystone_virus_isolate_AVA1709441_nucleocapsid_and_NSs_genes_complet	.....C	.....A....	.....	.....	.....	.....	.....T.....	.....	.....A.....	.....	.....A.....G	[160]
#KX817329.1_Melao_virus_strain_TRVL_9375_segment_S_complete_sequence	AAT.GCG...	.....AG.T.	.....A.T.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....T	[160]
#KX817335.1_Serra_do_Navio_virus_strain_BeAr_103645_segment_S_complete_sequence	.....GGT...	.....	.....A..TA.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....T	[160]
#KX817320.1_Jerry_Slough_virus_strain_BFS_4474_segment_S_complete_sequence	.....G....C	.....A....T.	.....A.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#KX817338.1_South_River_virus_strain_NJO-94F_segment_S_complete_sequence	.....G.....	.....A..A..T.	.....A.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#GU018050.2_South_River_virus_isolate_SORV-252_nucleoprotein_and_NSs_protein_gen	.....G.....	.....A..A..T.	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681804.1_Jamestown_Canyon_virus_isolate_5592-02_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681805.1_Jamestown_Canyon_virus_isolate_368-99_segment_S_nucleocapsid_protein	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681806.1_Jamestown_Canyon_virus_isolate_6163-03_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681807.1_Jamestown_Canyon_virus_isolate_468-04_segment_S_nucleocapsid_protein	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681808.1_Jamestown_Canyon_virus_isolate_2179-00_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681809.1_Jamestown_Canyon_virus_isolate_779-98_segment_S_nucleocapsid_protein	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681810.1_Jamestown_Canyon_virus_isolate_810-98_segment_S_nucleocapsid_protein	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681811.1_Jamestown_Canyon_virus_isolate_811-00_segment_S_nucleocapsid_protein	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681812.1_Jamestown_Canyon_virus_isolate_1697-03_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681813.1_Jamestown_Canyon_virus_isolate_1425-02_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681814.1_Jamestown_Canyon_virus_isolate_1441-04_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681815.1_Jamestown_Canyon_virus_isolate_928-00_segment_S_nucleocapsid_protein	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681816.1_Jamestown_Canyon_virus_isolate_1064-03_segment_S_nucleocapsid_protei	.....G.....	.....AG.T.	.....A.T..G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681817.1_Jamestown_Canyon_virus_isolate_1369-02_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681818.1_Jamestown_Canyon_virus_isolate_1627-04_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681819.1_Jamestown_Canyon_virus_isolate_1810-02_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681820.1_Jamestown_Canyon_virus_isolate_2384-98_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681821.1_Jamestown_Canyon_virus_isolate_2707-01_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681822.1_Jamestown_Canyon_virus_isolate_2718-01_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681823.1_Jamestown_Canyon_virus_isolate_3280-03_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681824.1_Jamestown_Canyon_virus_isolate_3324-04_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681825.1_Jamestown_Canyon_virus_isolate_3573-03_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681826.1_Jamestown_Canyon_virus_isolate_3682-00_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681827.1_Jamestown_Canyon_virus_isolate_4148-03_segment_S_nucleocapsid_protei	.....G.....	.....AG.T.	.....A.T..G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681828.1_Jamestown_Canyon_virus_isolate_4473-00_segment_S_nucleocapsid_protei	.....G.....	.....AG.T.	.....A.T..G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681829.1_Jamestown_Canyon_virus_isolate_4742-04_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681830.1_Jamestown_Canyon_virus_isolate_2274-05_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681831.1_Jamestown_Canyon_virus_isolate_1472-05_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681832.1_Jamestown_Canyon_virus_isolate_4910-02_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681833.1_Jamestown_Canyon_virus_isolate_275-01_segment_S_nucleocapsid_protein	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681834.1_Jamestown_Canyon_virus_isolate_339-05_segment_S_nucleocapsid_protein	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681835.1_Jamestown_Canyon_virus_isolate_3836-05_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
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#EF681837.1_Jamestown_Canyon_virus_isolate_1044-05_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681838.1_Jamestown_Canyon_virus_isolate_978-99_segment_S_nucleocapsid_protein	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681839.1_Jamestown_Canyon_virus_isolate_4832-01_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681841.1_Jamestown_Canyon_virus_isolate_7101-03_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681842.1_Jamestown_Canyon_virus_isolate_Simsbury_segment_S_nucleocapsid_prote	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681843.1_Jamestown_Canyon_virus_isolate_8011-03_segment_S_nucleocapsid_protei	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681844.1_Jamestown_Canyon_virus_isolate_8536-03_segment_S_nucleocapsid_protei	.....G....C	.....AGTT.	.....A...G.	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681845.1_Jamestown_Canyon_virus_isolate_11497-03_segment_S_nucleocapsid_prote	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
#EF681846.1_Jamestown_Canyon_virus_isolate_13995-03_segment_S_nucleocapsid_prote	.....G.....	.....A..TG	.....	.....G.....	.....	.....	.....	.....	.....A.....	.....	.....A.....G	[160]
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#U12799.1\_Jamestown\_Canyon\_virus\_DAV28\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_com ....G....C ..A....T. ...A..... TG..... .....A. ...A..... .....G [160]  
#U12796.1\_Jamestown\_Canyon\_virus\_61v2235\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_c ....G....C ..A....T. ...A..... .G..... .....A. ...A..... .....G [160]  
#KM215561.1\_Jamestown\_Canyon\_virus\_isolate\_W23697\_nucleocapsid\_protein\_and\_nonst ....G....C .....A..TG .....G..... .....A. ...A..... .....G [160]  
#KT288271.1\_Inkoo\_virus\_strain\_LEIV-15248Iv\_segment\_S\_nucleoprotein\_(N)\_gene\_com ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#KT288274.1\_Inkoo\_virus\_strain\_LEIV-18154Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#KT288275.1\_Inkoo\_virus\_strain\_LEIV-9874Kar\_segment\_S\_nucleoprotein\_(N)\_gene\_com ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#KT288277.1\_Inkoo\_virus\_strain\_LEIV-18784Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#KT288280.1\_Inkoo\_virus\_strain\_LEIV-22780Tyum\_segment\_S\_nucleoprotein\_(N)\_gene\_c ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#KT288283.1\_Inkoo\_virus\_strain\_LEIV-18152Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#KT288286.1\_Inkoo\_virus\_strain\_LEIV-21643Kra\_segment\_S\_nucleoprotein\_(N)\_gene\_co ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#KX554935.1\_Inkoo\_virus\_strain\_Lovanger\_nucleocapsid\_protein\_and\_nonstructural\_p ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#U47137.1\_Inkoo\_virus\_Prototype\_KN3641\_nucleocapsid\_protein\_and\_non-structural\_p ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]  
#U47138.1\_Inkoo\_virus\_SW\_AR\_83-161\_nucleocapsid\_protein\_and\_non-structural\_prote ....G....C ..A..A..T. .T.A.T..G. .G..... .....A. ...A..... .....G [160]  
#Z68496.1\_Inkoo\_virus\_RNA\_for\_N\_protein\_and\_RNA\_for\_NS\_protein\_strain\_KN\_3641 ....G....C ..A..A..T. ...A.T..G. .G..... .....A. ...A..... .....G [160]

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## MELCxP218-244

#KT630290.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK01/2005	CTCC	TAAGCC	GGAGCGGAAG	GCTACACCTA	AGTTTGGAGA	GTGGCAGGTG	GATCGTCA	AT	AATCATT	TCCTGGAAAC	[240]
#KT630293.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK02/2005	.....T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	[240]
#MH016786.1_Keystone_virus_strain_KEYV/Homo_sapiens/Gainesville-1/2016_nucleopro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[240]
#KX817323.1_Keystone_virus_strain_B64-5587.05_segment_S_complete_sequence	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[240]
#MG821231.1_Keystone_virus_isolate_AR14033_segment_S_complete_sequence	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[240]
#MG765471.1_Keystone_virus_isolate_AVA1709441_nucleocapsid_and_NSs_genes_complet	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[240]
#KX817329.1_Melao_virus_strain_TRVL_9375_segment_S_complete_sequence	.....A.	.....A.	.....A	.....T.	.....A.	.....C.	.....	.....A.T.	.....C.	.....	[240]
#KX817335.1_Serra_do_Navio_virus_strain_BeAr_103645_segment_S_complete_sequence	.....C.	.....A.	.....A	.....T.	.....	.....C.	.....	.....T.	.....	.....	[240]
#KX817320.1_Jerry_Slough_virus_strain_BFS_4474_segment_S_complete_sequence	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....A.	.....	.....	[240]
#KX817338.1_South_River_virus_strain_NJO-94F_segment_S_complete_sequence	.....A.	.....	.....	.....AT.	.....A.	.....	.....	.....T.	.....	.....	[240]
#GU018050.2_South_River_virus_isolate_SORV-252_nucleoprotein_and_NSs_protein_gen	.....A.	.....	.....	.....AT.	.....A.	.....	.....	.....T.	.....	.....	[240]
#EF681804.1_Jamestown_Canyon_virus_isolate_5592-02_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681805.1_Jamestown_Canyon_virus_isolate_368-99_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681806.1_Jamestown_Canyon_virus_isolate_6163-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681807.1_Jamestown_Canyon_virus_isolate_468-04_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681808.1_Jamestown_Canyon_virus_isolate_2179-00_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681809.1_Jamestown_Canyon_virus_isolate_779-98_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681810.1_Jamestown_Canyon_virus_isolate_810-98_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681811.1_Jamestown_Canyon_virus_isolate_811-00_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681812.1_Jamestown_Canyon_virus_isolate_1697-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681813.1_Jamestown_Canyon_virus_isolate_1425-02_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681814.1_Jamestown_Canyon_virus_isolate_1441-04_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681815.1_Jamestown_Canyon_virus_isolate_928-00_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681816.1_Jamestown_Canyon_virus_isolate_1064-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....	.....	[240]
#EF681817.1_Jamestown_Canyon_virus_isolate_1369-02_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681818.1_Jamestown_Canyon_virus_isolate_1627-04_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681819.1_Jamestown_Canyon_virus_isolate_1810-02_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681820.1_Jamestown_Canyon_virus_isolate_2384-98_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681821.1_Jamestown_Canyon_virus_isolate_2707-01_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681822.1_Jamestown_Canyon_virus_isolate_2718-01_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681823.1_Jamestown_Canyon_virus_isolate_3280-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681824.1_Jamestown_Canyon_virus_isolate_3324-04_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681825.1_Jamestown_Canyon_virus_isolate_3573-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681826.1_Jamestown_Canyon_virus_isolate_3682-00_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681827.1_Jamestown_Canyon_virus_isolate_4148-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....	.....	[240]
#EF681828.1_Jamestown_Canyon_virus_isolate_4473-00_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....	.....	[240]
#EF681829.1_Jamestown_Canyon_virus_isolate_4742-04_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681830.1_Jamestown_Canyon_virus_isolate_2274-05_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681831.1_Jamestown_Canyon_virus_isolate_1472-05_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681832.1_Jamestown_Canyon_virus_isolate_4910-02_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681833.1_Jamestown_Canyon_virus_isolate_275-01_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681834.1_Jamestown_Canyon_virus_isolate_339-05_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681835.1_Jamestown_Canyon_virus_isolate_3836-05_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681836.1_Jamestown_Canyon_virus_isolate_2286-00_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681837.1_Jamestown_Canyon_virus_isolate_1044-05_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681838.1_Jamestown_Canyon_virus_isolate_978-99_segment_S_nucleocapsid_protein	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681839.1_Jamestown_Canyon_virus_isolate_4832-01_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681841.1_Jamestown_Canyon_virus_isolate_7101-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681842.1_Jamestown_Canyon_virus_isolate_Simsbury_segment_S_nucleocapsid_prote	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681843.1_Jamestown_Canyon_virus_isolate_8011-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681844.1_Jamestown_Canyon_virus_isolate_8536-03_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681845.1_Jamestown_Canyon_virus_isolate_11497-03_segment_S_nucleocapsid_prote	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681846.1_Jamestown_Canyon_virus_isolate_13995-03_segment_S_nucleocapsid_prote	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]
#EF681847.1_Jamestown_Canyon_virus_isolate_1768-98_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....	.....	.....	.....T.	.....G.	.....	[240]
#EF681848.1_Jamestown_Canyon_virus_isolate_1385-06_segment_S_nucleocapsid_protei	.....A.	.....A.	.....A	.....T.	.....A.	.....	.....	.....A.T.	.....	.....	[240]





#KX817317.1\_Jamestown\_Canyon\_virus\_strain\_61v2235\_segment\_S\_complete\_sequence .....A.. .....A .....T.... .....T..... [240]  
#MH370817.1\_Jamestown\_Canyon\_virus\_isolate\_L36708\_segment\_S\_complete\_sequence .....A.. .....A .....T.... .....T.....G... [240]  
#MH370820.1\_Jamestown\_Canyon\_virus\_isolate\_MN256-260\_segment\_S\_complete\_sequence .....A.. .....A .....T.... .A..... .A..T.... ..... [240]  
#U12799.1\_Jamestown\_Canyon\_virus\_DAV28\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_com .....A.. .....A .....T.... .....T..... [240]  
#U12796.1\_Jamestown\_Canyon\_virus\_61v2235\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_c .....A.. .....A .....T.... .....T..... [240]  
#KM215561.1\_Jamestown\_Canyon\_virus\_isolate\_W23697\_nucleocapsid\_protein\_and\_nonst .....A.. .....A .....T.... .A..... .A..T.... ..... [240]  
#KT288271.1\_Inkoo\_virus\_strain\_LEIV-15248Iv\_segment\_S\_nucleoprotein\_(N)\_gene\_com .....A.. .....A .....T.... .A..... .T..... [240]  
#KT288274.1\_Inkoo\_virus\_strain\_LEIV-18154Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co .....A.. .....A .....T.... .A..... .T..... [240]  
#KT288275.1\_Inkoo\_virus\_strain\_LEIV-9874Kar\_segment\_S\_nucleoprotein\_(N)\_gene\_com .....A.. .....A .....T.... .A..... .T..... [240]  
#KT288277.1\_Inkoo\_virus\_strain\_LEIV-18784Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co .....A.. .....A .....T.... .A..... .T..... [240]  
#KT288280.1\_Inkoo\_virus\_strain\_LEIV-22780Tyum\_segment\_S\_nucleoprotein\_(N)\_gene\_c .....A.. .....A .....T.... .A..... .T..... [240]  
#KT288283.1\_Inkoo\_virus\_strain\_LEIV-18152Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co .....A.. .....A .....T.... .A..... .T..... [240]  
#KT288286.1\_Inkoo\_virus\_strain\_LEIV-21643Kra\_segment\_S\_nucleoprotein\_(N)\_gene\_co .....A.. .....A .....T.... .A..... .T..... [240]  
#KX554935.1\_Inkoo\_virus\_strain\_Lovanger\_nucleocapsid\_protein\_and\_nonstructural\_p .....A.. .....A .....T.... .A..... .T..... [240]  
#U47137.1\_Inkoo\_virus\_Prototype\_KN3641\_nucleocapsid\_protein\_and\_non-structural\_p .....A.. .....A .....T.... .A..... .T..... [240]  
#U47138.1\_Inkoo\_virus\_SW\_AR\_83-161\_nucleocapsid\_protein\_and\_non-structural\_prote .....A.. .....A .....T.... .A..... .T..... [240]  
#Z68496.1\_Inkoo\_virus\_RNA\_for\_N\_protein\_and\_RNA\_for\_NS\_protein\_strain\_KN\_3641 .....A.. .....A .....T.... .A..... .T..... [240]

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#KT630290.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK01/2005 AGGAACAAACCAATGGTAA CAACGATCTT ACCTGCACC GGATTTCAGG ATATCTAGCT AGATGGGTGC TGGAGCACTT [320]
#KT630293.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK02/2005 .....G..... [320]
#MH016786.1_Keystone_virus_strain_KEYV/Homo_sapiens/Gainesville-1/2016_nucleopro ..... [320]
#KX817323.1_Keystone_virus_strain_B64-5587.05_segment_S_complete_sequence ..... [320]
#MG821231.1_Keystone_virus_isolate_AR14033_segment_S_complete_sequence .....G.....T....A.... [320]
#MG765471.1_Keystone_virus_isolate_AVA1709441_nucleocapsid_and_NSs_genes_complet .....G.....T....A.... [320]
#KX817329.1_Melao_virus_strain_TRVL_9375_segment_S_complete_sequence .....A.C.T..C.....T..C.....A..T.TG.. [320]
#KX817335.1_Serra_do_Navio_virus_strain_BeAr_103645_segment_S_complete_sequence .....A.C..A..A.C.....T....C.C...ACAT..A.A.... [320]
#KX817320.1_Jerry_Slough_virus_strain_BFS_4474_segment_S_complete_sequence .....A.C..TA..C.....C.....T....T....T.. [320]
#KX817338.1_South_River_virus_strain_NJO-94F_segment_S_complete_sequence .....A.C....C...T...T....T....T...T.. [320]
#GU018050.2_South_River_virus_isolate_SORV-252_nucleoprotein_and_NSs_protein_gen .....A.C.T..C...C.....C.....T....T...T.. [320]
#EF681804.1_Jamestown_Canyon_virus_isolate_5592-02_segment_S_nucleocapsid_protei .....G.....A.C.T..C.....C.....T....T...T.. [320]
#EF681805.1_Jamestown_Canyon_virus_isolate_368-99_segment_S_nucleocapsid_protein .....A.C.T..C.....C.....T....T...T.. [320]
#EF681806.1_Jamestown_Canyon_virus_isolate_6163-03_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....T....T...T.. [320]
#EF681807.1_Jamestown_Canyon_virus_isolate_468-04_segment_S_nucleocapsid_protein .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681808.1_Jamestown_Canyon_virus_isolate_2179-00_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....T....T...T.. [320]
#EF681809.1_Jamestown_Canyon_virus_isolate_779-98_segment_S_nucleocapsid_protein .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681810.1_Jamestown_Canyon_virus_isolate_810-98_segment_S_nucleocapsid_protein .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681811.1_Jamestown_Canyon_virus_isolate_811-00_segment_S_nucleocapsid_protein .....A.C.T..C.....C.....T....T...T.. [320]
#EF681812.1_Jamestown_Canyon_virus_isolate_1697-03_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681813.1_Jamestown_Canyon_virus_isolate_1425-02_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681814.1_Jamestown_Canyon_virus_isolate_1441-04_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681815.1_Jamestown_Canyon_virus_isolate_928-00_segment_S_nucleocapsid_protein .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681816.1_Jamestown_Canyon_virus_isolate_1064-03_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....T...C.....T....T...A...T.. [320]
#EF681817.1_Jamestown_Canyon_virus_isolate_1369-02_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681818.1_Jamestown_Canyon_virus_isolate_1627-04_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681819.1_Jamestown_Canyon_virus_isolate_1810-02_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681820.1_Jamestown_Canyon_virus_isolate_2384-98_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681821.1_Jamestown_Canyon_virus_isolate_2707-01_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681822.1_Jamestown_Canyon_virus_isolate_2718-01_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681823.1_Jamestown_Canyon_virus_isolate_3280-03_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681824.1_Jamestown_Canyon_virus_isolate_3324-04_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681825.1_Jamestown_Canyon_virus_isolate_3573-03_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681826.1_Jamestown_Canyon_virus_isolate_3682-00_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681827.1_Jamestown_Canyon_virus_isolate_4148-03_segment_S_nucleocapsid_protei .....A.C.T..C...T...T....T...C.....T....T...A...T.. [320]
#EF681828.1_Jamestown_Canyon_virus_isolate_4473-00_segment_S_nucleocapsid_protei .....A.C.T..C...T...T....T...C.....T....T...A...T.. [320]
#EF681829.1_Jamestown_Canyon_virus_isolate_4742-04_segment_S_nucleocapsid_protei .....A.C.T..C.....T...C.....T....T...T.. [320]
#EF681830.1_Jamestown_Canyon_virus_isolate_2274-05_segment_S_nucleocapsid_protei .....A.C.T..C.....T...C.....T....T...T.. [320]
#EF681831.1_Jamestown_Canyon_virus_isolate_1472-05_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681832.1_Jamestown_Canyon_virus_isolate_4910-02_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681833.1_Jamestown_Canyon_virus_isolate_275-01_segment_S_nucleocapsid_protein .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681834.1_Jamestown_Canyon_virus_isolate_339-05_segment_S_nucleocapsid_protein .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681835.1_Jamestown_Canyon_virus_isolate_3836-05_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681836.1_Jamestown_Canyon_virus_isolate_2286-00_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681837.1_Jamestown_Canyon_virus_isolate_1044-05_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681838.1_Jamestown_Canyon_virus_isolate_978-99_segment_S_nucleocapsid_protein .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681839.1_Jamestown_Canyon_virus_isolate_4832-01_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681841.1_Jamestown_Canyon_virus_isolate_7101-03_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681842.1_Jamestown_Canyon_virus_isolate_Simsbury_segment_S_nucleocapsid_prote .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681843.1_Jamestown_Canyon_virus_isolate_8011-03_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681844.1_Jamestown_Canyon_virus_isolate_8536-03_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681845.1_Jamestown_Canyon_virus_isolate_11497-03_segment_S_nucleocapsid_prote .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681846.1_Jamestown_Canyon_virus_isolate_13995-03_segment_S_nucleocapsid_prote .....A.C.T..C.....C.....C.....T....T...T.. [320]
#EF681847.1_Jamestown_Canyon_virus_isolate_1768-98_segment_S_nucleocapsid_protei .....A.C.T..C...C...C.....C.....T....T...T.. [320]
#EF681848.1_Jamestown_Canyon_virus_isolate_1385-06_segment_S_nucleocapsid_protei .....A.C.T..C.....C.....C.....T....T...T.. [320]

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#KX817317.1_Jamestown_Canyon_virus_strain_61V2235_segment_S_complete_sequence .....A.C.TA..C.....C.....T..T....T.. [320]
#MH370817.1_Jamestown_Canyon_virus_isolate_L36708_segment_S_complete_sequence .....C.....A.C..T..C....C.....C.....T..T....T.. [320]
#MH370820.1_Jamestown_Canyon_virus_isolate_MN256-260_segment_S_complete_sequence .....A.C..T..C.....C.....T..T....T.. [320]
#U12799.1_Jamestown_Canyon_virus_DAV28_S_RNA_segment_N_and_NSs_protein_genes_com .....A.C..TA..C.....C.....T..T....T.. [320]
#U12796.1_Jamestown_Canyon_virus_61v2235_S_RNA_segment_N_and_NSs_protein_genes_c .....A.C..TA..C.....C.....T..T....T.. [320]
#KM215561.1_Jamestown_Canyon_virus_isolate_W23697_nucleocapsid_protein_and_nonst .....A.C..TA..C.....C.....T..T....T.. [320]
#KT288271.1_Inkoo_virus_strain_LEIV-15248Iv_segment_S_nucleoprotein_(N)_gene_com .....A.C....C....T..CT....A.....C..T..... [320]
#KT288274.1_Inkoo_virus_strain_LEIV-18154Yak_segment_S_nucleoprotein_(N)_gene_co .....A.C..T..C....T.....C.....C..T..... [320]
#KT288275.1_Inkoo_virus_strain_LEIV-9874Kar_segment_S_nucleoprotein_(N)_gene_com .....A.C..T..C....T..CT....A.....C..T..... [320]
#KT288277.1_Inkoo_virus_strain_LEIV-18784Yak_segment_S_nucleoprotein_(N)_gene_co .....A.C..T..C....T.....C.....C..T..... [320]
#KT288280.1_Inkoo_virus_strain_LEIV-22780Tyum_segment_S_nucleoprotein_(N)_gene_c .....A.C..T..C....T.....C.....C..T..... [320]
#KT288283.1_Inkoo_virus_strain_LEIV-18152Yak_segment_S_nucleoprotein_(N)_gene_co .....A.C..T..C....T.....C.....C..T..... [320]
#KT288286.1_Inkoo_virus_strain_LEIV-21643Kra_segment_S_nucleoprotein_(N)_gene_co .....A.C....C....T.....T....A.....C..T..... [320]
#KX554935.1_Inkoo_virus_strain_Lovanger_nucleocapsid_protein_and_nonstructural_p .....A.C....C....T..CT....A.....C..T..... [320]
#U47137.1_Inkoo_virus_Prototype_KN3641_nucleocapsid_protein_and_non-structural_p .....A.C....C....T.....T....A.....C..T..... [320]
#U47138.1_Inkoo_virus_SW_AR_83-161_nucleocapsid_protein_and_non-structural_prote .....A.C....C....T..CT....A.....T..T..... [320]
#Z68496.1_Inkoo_virus_RNA_for_N_protein_and_RNA_for_NS_protein_strain_KN_3641 .....A.C....C....T.....T....A.....C..T..... [320]

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#KT630290.1\_Keystone\_virus\_strain\_KEYV/Ochlerotatus\_atlanticus/USA/KEYVLK01/2005 TGGAGAGGGT GAGGACGAGT CACAAAAGGA GCTGATCAAG AGCACTGTCA TCAATCCAAT TGCCGAGTCC AATGGGATTC [400]  
#KT630293.1\_Keystone\_virus\_strain\_KEYV/Ochlerotatus\_atlanticus/USA/KEYVLK02/2005 ..... [400]  
#MH016786.1\_Keystone\_virus\_strain\_KEYV/Homo\_sapiens/Gainesville-1/2016\_nucleopro .....C..... [400]  
#KX817323.1\_Keystone\_virus\_strain\_B64-5587.05\_segment\_S\_complete\_sequence ..... [400]  
#MG821231.1\_Keystone\_virus\_isolate\_AR14033\_segment\_S\_complete\_sequence ...G..A... ..G..... ..T..C... ..C..G... ..T..A..T ..... [400]  
#MG765471.1\_Keystone\_virus\_isolate\_AVA1709441\_nucleocapsid\_and\_NsS\_genes\_complet ...G..A... ..G..... ..T..C... ..C..G... ..T..A..T ..... [400]  
#KX817329.1\_Melao\_virus\_strain\_TRVL\_9375\_segment\_S\_complete\_sequence CAA...AAA... ..A..T..A... ..C..G..... AT..A...C... ..CA... ..T...T... ..T...A... [400]  
#KX817335.1\_Serra\_do\_Navio\_virus\_strain\_BeAr\_103645\_segment\_S\_complete\_sequence CC.T....A .....T..AG ..T..G..A.. ..A..A..TCG... ..CA..AA... ..T..C..T... ..A..A... ..A..A... [400]  
#KX817320.1\_Jerry\_Slough\_virus\_strain\_BFS\_4474\_segment\_S\_complete\_sequence CACC.CA.A... ..C..T..A... ..T...GA... ..A..C..A.G... ..A... ..A..... C..A..A... ..A... ..C... [400]  
#KX817338.1\_South\_River\_virus\_strain\_NJO-94F\_segment\_S\_complete\_sequence ..AC...A.A... ..T...T.A... ..C..G.G... ..T..ACGA... ..CA... ..A..... ..A..... ..A... [400]  
#GU018050.2\_South\_River\_virus\_isolate\_SORV-252\_nucleoprotein\_and\_NsS\_protein\_gen ..AC...A.A... ..T...T.A... ..C...GA... ..ACG... ..CA.T... ..A...G... ..A..A... ..A... [400]  
#EF681804.1\_Jamestown\_Canyon\_virus\_isolate\_5592-02\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681805.1\_Jamestown\_Canyon\_virus\_isolate\_368-99\_segment\_S\_nucleocapsid\_protein ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681806.1\_Jamestown\_Canyon\_virus\_isolate\_6163-03\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681807.1\_Jamestown\_Canyon\_virus\_isolate\_468-04\_segment\_S\_nucleocapsid\_protein CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681808.1\_Jamestown\_Canyon\_virus\_isolate\_2179-00\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681809.1\_Jamestown\_Canyon\_virus\_isolate\_779-98\_segment\_S\_nucleocapsid\_protein CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681810.1\_Jamestown\_Canyon\_virus\_isolate\_810-98\_segment\_S\_nucleocapsid\_protein CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681811.1\_Jamestown\_Canyon\_virus\_isolate\_811-00\_segment\_S\_nucleocapsid\_protein ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681812.1\_Jamestown\_Canyon\_virus\_isolate\_1697-03\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681813.1\_Jamestown\_Canyon\_virus\_isolate\_1425-02\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681814.1\_Jamestown\_Canyon\_virus\_isolate\_1441-04\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681815.1\_Jamestown\_Canyon\_virus\_isolate\_928-00\_segment\_S\_nucleocapsid\_protein CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681816.1\_Jamestown\_Canyon\_virus\_isolate\_1064-03\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..... ..T..G.G.A... ..C..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681817.1\_Jamestown\_Canyon\_virus\_isolate\_1369-02\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681818.1\_Jamestown\_Canyon\_virus\_isolate\_1627-04\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681819.1\_Jamestown\_Canyon\_virus\_isolate\_1810-02\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681820.1\_Jamestown\_Canyon\_virus\_isolate\_2384-98\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681821.1\_Jamestown\_Canyon\_virus\_isolate\_2707-01\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681822.1\_Jamestown\_Canyon\_virus\_isolate\_2718-01\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681823.1\_Jamestown\_Canyon\_virus\_isolate\_3280-03\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681824.1\_Jamestown\_Canyon\_virus\_isolate\_3324-04\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681825.1\_Jamestown\_Canyon\_virus\_isolate\_3573-03\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681826.1\_Jamestown\_Canyon\_virus\_isolate\_3682-00\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681827.1\_Jamestown\_Canyon\_virus\_isolate\_4148-03\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..... ..T..G.G.A... ..C..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681828.1\_Jamestown\_Canyon\_virus\_isolate\_4473-00\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..... ..T..G.G.A... ..C..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681829.1\_Jamestown\_Canyon\_virus\_isolate\_4742-04\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681830.1\_Jamestown\_Canyon\_virus\_isolate\_2274-05\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681831.1\_Jamestown\_Canyon\_virus\_isolate\_1472-05\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681832.1\_Jamestown\_Canyon\_virus\_isolate\_4910-02\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681833.1\_Jamestown\_Canyon\_virus\_isolate\_275-01\_segment\_S\_nucleocapsid\_protein ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681834.1\_Jamestown\_Canyon\_virus\_isolate\_339-05\_segment\_S\_nucleocapsid\_protein ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681835.1\_Jamestown\_Canyon\_virus\_isolate\_3836-05\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681836.1\_Jamestown\_Canyon\_virus\_isolate\_2286-00\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681837.1\_Jamestown\_Canyon\_virus\_isolate\_1044-05\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681838.1\_Jamestown\_Canyon\_virus\_isolate\_978-99\_segment\_S\_nucleocapsid\_protein ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681839.1\_Jamestown\_Canyon\_virus\_isolate\_4832-01\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681841.1\_Jamestown\_Canyon\_virus\_isolate\_7101-03\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681842.1\_Jamestown\_Canyon\_virus\_isolate\_Simsbury\_segment\_S\_nucleocapsid\_prote ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681843.1\_Jamestown\_Canyon\_virus\_isolate\_8011-03\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681844.1\_Jamestown\_Canyon\_virus\_isolate\_8536-03\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681845.1\_Jamestown\_Canyon\_virus\_isolate\_11497-03\_segment\_S\_nucleocapsid\_prote ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681846.1\_Jamestown\_Canyon\_virus\_isolate\_13995-03\_segment\_S\_nucleocapsid\_prote ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681847.1\_Jamestown\_Canyon\_virus\_isolate\_1768-98\_segment\_S\_nucleocapsid\_protei CACC..A.A... ..T..T... ..T...GA... ..T.A..A.G... ..CA... ..A..... ..A..A... ..C... [400]  
#EF681848.1\_Jamestown\_Canyon\_virus\_isolate\_1385-06\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]  
#EF681849.1\_Jamestown\_Canyon\_virus\_isolate\_2989-06\_segment\_S\_nucleocapsid\_protei ..ACTACA.A... ..T..T... ..C..G.G.A... ..A..C..A.G... ..CA... ..T..... ..A..... ..C... [400]



#MH370817.1\_Jamestown\_Canyon\_virus\_isolate\_L36708\_segment\_S\_complete\_sequence CACC..A.A. ..T..T.... .T...RA.. .T.A..A.G. ....CA... .A..... ..A..A... ..C.... [400]  
#MH370820.1\_Jamestown\_Canyon\_virus\_isolate\_MN256-260\_segment\_S\_complete\_sequence CACCACA.A. .T..T.... .C...GA.. A..C..A.G. ....CA... .A..... ..A..... ..C.... [400]  
#U12799.1\_Jamestown\_Canyon\_virus\_DAV28\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_com .AACTCA.A. .T..... .T..G.GA.. A..C..A.G. ....CA... .A..... ..A..A... ..A.... [400]  
#U12796.1\_Jamestown\_Canyon\_virus\_61v2235\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_c .AACTCA.A. .T..... .T..G.GA.. A..C..A.G. ....CA... .A..... ..A..A... ..A.... [400]  
#KM215561.1\_Jamestown\_Canyon\_virus\_isolate\_W23697\_nucleocapsid\_protein\_and\_nonst CACCACA.A. .T..T.... .C...GA.. A..C..A.G. ....CA... .A..... ..A..... ..C.... [400]  
#KT288271.1\_Inkoo\_virus\_strain\_LEIV-15248Iv\_segment\_S\_nucleoprotein\_(N)\_gene\_com CACT..A.A. .C..T.... .C...GA.. A..C..A.G. ....CA... .A..C..G.. ..A..A..G ..C.... [400]  
#KT288274.1\_Inkoo\_virus\_strain\_LEIV-18154Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co CACT....A. .T..T.... .C...GA.. A..C..A.G. ....CA... .A..C..... ..A..A..A ..C..C..C. [400]  
#KT288275.1\_Inkoo\_virus\_strain\_LEIV-9874Kar\_segment\_S\_nucleoprotein\_(N)\_gene\_com CACT..A.A. .C..T.... .C...GA.. A..C..A.G. ....CA... .A..C..G.. ..A..A..G ..C.... [400]  
#KT288277.1\_Inkoo\_virus\_strain\_LEIV-18784Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co CACT....A. .T..T.... .C...GA.. A..C..A.G. ....CA... .A..C..... ..A..A..A ..C..C..C. [400]  
#KT288280.1\_Inkoo\_virus\_strain\_LEIV-22780Tyum\_segment\_S\_nucleoprotein\_(N)\_gene\_c CACT..A.A. .T..T.... .C...GA.. A..C..A.G. ....CA... .A..C..... ..A..A..A ..C..C..C. [400]  
#KT288283.1\_Inkoo\_virus\_strain\_LEIV-18152Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co CACT....A. .T..T.... .C...GA.. A..C..A.G. ....CA... .A..C..... ..A..A..A ..C..C..C. [400]  
#KT288286.1\_Inkoo\_virus\_strain\_LEIV-21643Kra\_segment\_S\_nucleoprotein\_(N)\_gene\_co CACT..A.A. .T..T.... .C...GA.. A..C..A.G. ....CA... .A..C..G.. ..A..A..A ..C.... [400]  
#KX554935.1\_Inkoo\_virus\_strain\_Lovanger\_nucleocapsid\_protein\_and\_nonstructural\_p CACT..A.A. .C..T.... .C...GA.. A..C..A.G. ....CA... .A..C..G.. ..A..A..G ..C..C.... [400]  
#U47137.1\_Inkoo\_virus\_Prototype\_KN3641\_nucleocapsid\_protein\_and\_non-structural\_p CACT..A.A. .C..T.... .C...GA.. A..C..A.GA ..CA... .A..C..G.. ..A..A..A ..C.... [400]  
#U47138.1\_Inkoo\_virus\_SW\_AR\_83-161\_nucleocapsid\_protein\_and\_non-structural\_prote CACT..A.A. .C..T.... .C...GA.. A..C..A.G. ....CA... .A..C..... ..A..A..G ..C.... [400]  
#268496.1\_Inkoo\_virus\_RNA\_for\_N\_protein\_and\_RNA\_for\_NS\_protein\_strain\_KN\_3641 CACT..A.A. .C..T.... .C...GA.. A..C..A.GA ..CA... .A..C..G.. ..A..A..A ..C.... [400]

#KT630290.1\_Keystone\_virus\_strain\_KEYV/Ochlerotatus\_atlanticus/USA/KEYVLK01/2005 GCTGGGGCAA CGTGTAGAA ATCTATCTCT CCTTCTTCCC AGGAACTGAA ATGTTTCTGG AATTGTTCAA ATTCTACCCA [480]  
#KT630293.1\_Keystone\_virus\_strain\_KEYV/Ochlerotatus\_atlanticus/USA/KEYVLK02/2005 ..... T..... [480]  
#MH016786.1\_Keystone\_virus\_strain\_KEYV/Homo\_sapiens/Gainesville-1/2016\_nucleopro ..... T..... [480]  
#KX817323.1\_Keystone\_virus\_strain\_B64-5587.05\_segment\_S\_complete\_sequence ..... [480]  
#MG821231.1\_Keystone\_virus\_isolate\_AR14033\_segment\_S\_complete\_sequence ..... T..G.C.....T.. G.....T..... [480]  
#MG765471.1\_Keystone\_virus\_isolate\_AVA1709441\_nucleocapsid\_and\_NsS\_genes\_complet ..... T..G.C.....T.. G.....CT... [480]  
#KX817329.1\_Melao\_virus\_strain\_TRVL\_9375\_segment\_S\_complete\_sequence A....CA.. T..G..T... ..A..C..T.. A..T..... ..G..... ..GCC...G ..T..T..T [480]  
#KX817335.1\_Serra\_do\_Navio\_virus\_strain\_BeAr\_103645\_segment\_S\_complete\_sequence AT....CA.. T..A.C.... ..T..C..T.. A..... ..G.....T.. GGCT..... [480]  
#KX817320.1\_Jerry\_Slough\_virus\_strain\_BFS\_4474\_segment\_S\_complete\_sequence AT....AA... ..CC.... ..T....T.. A..T..... ..C.... ..C..A.. ..A.C..... G.....G [480]  
#KX817338.1\_South\_River\_virus\_strain\_NJO-94F\_segment\_S\_complete\_sequence AT....AA... T...CC.... ..T..C..T.. A.....T... ..A..... ..GCT..... [480]  
#GU018050.2\_South\_River\_virus\_isolate\_SORV-252\_nucleoprotein\_and\_NsS\_protein\_gen ..T...AA... T...CC.... ..T....T.. A..T..... T....A... ..T... ..GGCT.....T [480]  
#EF681804.1\_Jamestown\_Canyon\_virus\_isolate\_5592-02\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..T... ..A.T.....T..C [480]  
#EF681805.1\_Jamestown\_Canyon\_virus\_isolate\_368-99\_segment\_S\_nucleocapsid\_protein AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681806.1\_Jamestown\_Canyon\_virus\_isolate\_6163-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681807.1\_Jamestown\_Canyon\_virus\_isolate\_468-04\_segment\_S\_nucleocapsid\_protein AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681808.1\_Jamestown\_Canyon\_virus\_isolate\_2179-00\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681809.1\_Jamestown\_Canyon\_virus\_isolate\_779-98\_segment\_S\_nucleocapsid\_protein AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681810.1\_Jamestown\_Canyon\_virus\_isolate\_810-98\_segment\_S\_nucleocapsid\_protein AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681811.1\_Jamestown\_Canyon\_virus\_isolate\_811-00\_segment\_S\_nucleocapsid\_protein AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681812.1\_Jamestown\_Canyon\_virus\_isolate\_1697-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681813.1\_Jamestown\_Canyon\_virus\_isolate\_1425-02\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681814.1\_Jamestown\_Canyon\_virus\_isolate\_1441-04\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681815.1\_Jamestown\_Canyon\_virus\_isolate\_928-00\_segment\_S\_nucleocapsid\_protein AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681816.1\_Jamestown\_Canyon\_virus\_isolate\_1064-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681817.1\_Jamestown\_Canyon\_virus\_isolate\_1369-02\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681818.1\_Jamestown\_Canyon\_virus\_isolate\_1627-04\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681819.1\_Jamestown\_Canyon\_virus\_isolate\_1810-02\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681820.1\_Jamestown\_Canyon\_virus\_isolate\_2384-98\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681821.1\_Jamestown\_Canyon\_virus\_isolate\_2707-01\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681822.1\_Jamestown\_Canyon\_virus\_isolate\_2718-01\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681823.1\_Jamestown\_Canyon\_virus\_isolate\_3280-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681824.1\_Jamestown\_Canyon\_virus\_isolate\_3324-04\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681825.1\_Jamestown\_Canyon\_virus\_isolate\_3573-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681826.1\_Jamestown\_Canyon\_virus\_isolate\_3682-00\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681827.1\_Jamestown\_Canyon\_virus\_isolate\_4148-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC.... ..T..C..T.. A.....T... ..G..A... ..G.T..T.....C [480]  
#EF681828.1\_Jamestown\_Canyon\_virus\_isolate\_4473-00\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC.... ..T..C..T.. A.....T... ..G..A... ..G.T..T.....C [480]  
#EF681829.1\_Jamestown\_Canyon\_virus\_isolate\_4742-04\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681830.1\_Jamestown\_Canyon\_virus\_isolate\_2274-05\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681831.1\_Jamestown\_Canyon\_virus\_isolate\_1472-05\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681832.1\_Jamestown\_Canyon\_virus\_isolate\_4910-02\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681833.1\_Jamestown\_Canyon\_virus\_isolate\_275-01\_segment\_S\_nucleocapsid\_protein AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681834.1\_Jamestown\_Canyon\_virus\_isolate\_339-05\_segment\_S\_nucleocapsid\_protein AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681835.1\_Jamestown\_Canyon\_virus\_isolate\_3836-05\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681836.1\_Jamestown\_Canyon\_virus\_isolate\_2286-00\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681837.1\_Jamestown\_Canyon\_virus\_isolate\_1044-05\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681838.1\_Jamestown\_Canyon\_virus\_isolate\_978-99\_segment\_S\_nucleocapsid\_protein AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681839.1\_Jamestown\_Canyon\_virus\_isolate\_4832-01\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681841.1\_Jamestown\_Canyon\_virus\_isolate\_7101-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681842.1\_Jamestown\_Canyon\_virus\_isolate\_Simsbury\_segment\_S\_nucleocapsid\_prote AT....AA... T...CCC.... ..T....T.. A.....T... ..A..... ..T... ..A.T.....T..C [480]  
#EF681843.1\_Jamestown\_Canyon\_virus\_isolate\_8011-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681844.1\_Jamestown\_Canyon\_virus\_isolate\_8536-03\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681845.1\_Jamestown\_Canyon\_virus\_isolate\_11497-03\_segment\_S\_nucleocapsid\_prote AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681846.1\_Jamestown\_Canyon\_virus\_isolate\_13995-03\_segment\_S\_nucleocapsid\_prote AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681847.1\_Jamestown\_Canyon\_virus\_isolate\_1768-98\_segment\_S\_nucleocapsid\_protei AT....AA... T...ACC.... ..T..C..T.. A..T..... ..G..A... ..CT... ..G.T.....T....C [480]  
#EF681848.1\_Jamestown\_Canyon\_virus\_isolate\_1385-06\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]  
#EF681849.1\_Jamestown\_Canyon\_virus\_isolate\_2989-06\_segment\_S\_nucleocapsid\_protei AT....AA... T...CCC...G ..T....T.. A.....T... ..A..... ..A.T.....T..C [480]





#MH370817.1\_Jamestown\_Canyon\_virus\_isolate\_L36708\_segment\_S\_complete\_sequence AT...AA... T..ACC.... ..T..C..T. .A..T..... ..G..A... ..CT... ..G.T..... ..T.....C [480]  
#MH370820.1\_Jamestown\_Canyon\_virus\_isolate\_MN256-260\_segment\_S\_complete\_sequence AT...AA... T..CCC...G ..T.....T. .A..... ..A... ..A.T..... ..T..C [480]  
#U12799.1\_Jamestown\_Canyon\_virus\_DAV28\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_com AT...AA... T..CCC.... ..T.....T. .G..... ..G..C... ..C..A. .A.T..... G.....G [480]  
#U12796.1\_Jamestown\_Canyon\_virus\_61v2235\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_c AT...AA... T..CCC.... ..T.....T. .G..... ..G..C... ..C..A. .A.T..... G.....G [480]  
#KM215561.1\_Jamestown\_Canyon\_virus\_isolate\_W23697\_nucleocapsid\_protein\_and\_nonst AT...AA... T..CCC...G ..T..C..T. .A..... ..A... ..A.T..... ..C [480]  
#KT288271.1\_Inkoo\_virus\_strain\_LEIV-15248Iv\_segment\_S\_nucleoprotein\_(N)\_gene\_com AT...AA... T..CCC.... ..T..C..T. .A..... ..A... ..A..G.T..... ..T [480]  
#KT288274.1\_Inkoo\_virus\_strain\_LEIV-18154Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co AT...AC... T..CCC.... ..T..C..T. .A..... ..A... ..C..A. .G.T..... ..T [480]  
#KT288275.1\_Inkoo\_virus\_strain\_LEIV-9874Kar\_segment\_S\_nucleoprotein\_(N)\_gene\_com AT...AA... T..CCC.... ..T..C..T. .A..... ..A... ..A..G.T..... ..T [480]  
#KT288277.1\_Inkoo\_virus\_strain\_LEIV-18784Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co AT...AC... T..CCC.... ..T..C..T. .A..... ..A... ..C..A. .G.T..... ..T [480]  
#KT288280.1\_Inkoo\_virus\_strain\_LEIV-22780Tyum\_segment\_S\_nucleoprotein\_(N)\_gene\_c AT...AC... T..CCC.... ..T..C..T. .A..... ..A... ..C..A. .G.T..... ..T [480]  
#KT288283.1\_Inkoo\_virus\_strain\_LEIV-18152Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co AT...AC... T..CCC.... ..T..C..T. .A..... ..A... ..C..A. .G.T..... ..T [480]  
#KT288286.1\_Inkoo\_virus\_strain\_LEIV-21643Kra\_segment\_S\_nucleoprotein\_(N)\_gene\_co AT...AA... T..CCC.... ..T..C..T. .A..... ..A... ..A..G.T..... ..T [480]  
#KX554935.1\_Inkoo\_virus\_strain\_Lovanger\_nucleocapsid\_protein\_and\_nonstructural\_p AT...AA... T..CCC.... ..T..C..T. .A..... ..A... ..A..G.T..... ..T [480]  
#U47137.1\_Inkoo\_virus\_Prototype\_KN3641\_nucleocapsid\_protein\_and\_non-structural\_p AT...AA... T..CCC.... ..T.....T. .A..... ..A... ..A..G.T..... ..T [480]  
#U47138.1\_Inkoo\_virus\_SW\_AR\_83-161\_nucleocapsid\_protein\_and\_non-structural\_prote AT...AA... T..CCC.... ..T..C..T. .A..C.... ..A... ..A..G.T..... ..T [480]  
#268496.1\_Inkoo\_virus\_RNA\_for\_N\_protein\_and\_RNA\_for\_NS\_protein\_strain\_KN\_3641 AT...AA... T..CCC.... ..T.....T. .A..... ..A... ..A..G.T..... ..T [480]

#KT630290.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK01/2005	TTGACAATTG	GCATCTACAG	AGTGAAACAT	GGAATGATGG	ATGCTCAGTA	CCTAAAAAAA	GCTCTGAGAC	AGCGCTATGG	[560]
#KT630293.1_Keystone_virus_strain_KEYV/Ochlerotatus_atlanticus/USA/KEYVLK02/2005	.....	.....	.....	.....	.....	.....	.....C..	.....	[560]
#MH016786.1_Keystone_virus_strain_KEYV/Homo_sapiens/Gainesville-1/2016_nucleopro	.....	.....	.....	.....	.....	.....	.....	.....	[560]
#KX817323.1_Keystone_virus_strain_B64-5587.05_segment_S_complete_sequence	.....	.....	.....	.....	.....	.....	.....	.....	[560]
#MG821231.1_Keystone_virus_isolate_AR14033_segment_S_complete_sequence	.....T.....	.....A..G..	.....	.....	.....	.....C..G..G	.....	.....	[560]
#MG765471.1_Keystone_virus_isolate_AVA1709441_nucleocapsid_and_NSs_genes_complet	.....T.....	.....A..G..	.....	.....	.....	.....C..G..G	.....	.....	[560]
#KX817329.1_Melao_virus_strain_TRVL_9375_segment_S_complete_sequence	C.A.....	A.....	.....C.....C	.GC.....	.CC.....	T.....G..G	....AC...	.....	[560]
#KX817335.1_Serra_do_Navio_virus_strain_BeAr_103645_segment_S_complete_sequence	C.....	.G.A.....	.....C..G..	.....	.....C.....	..G..G..G	.AT.....	....A.....	[560]
#KX817320.1_Jerry_Slough_virus_strain_BFS_4474_segment_S_complete_sequence	..A..C....	A..T.....	.....C.....	..T.....	..C.C.....	T..G..G..G	....C..G.	A.....	[560]
#KX817338.1_South_River_virus_strain_NJO-94F_segment_S_complete_sequence	C.A..C....	A..T.....	.....C.....	..TC.....	..C.C.A..	..T.....G..	..C.C.....	A.....C..	[560]
#GU018050.2_South_River_virus_isolate_SORV-252_nucleoprotein_and_NSs_protein_gen	C.A..C....	A..T.....	.....C..G..	..TT.....	.....	TT.G.G..	..C.C..G.	A.....	[560]
#EF681804.1_Jamestown_Canyon_virus_isolate_5592-02_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681805.1_Jamestown_Canyon_virus_isolate_368-99_segment_S_nucleocapsid_protein	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681806.1_Jamestown_Canyon_virus_isolate_6163-03_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	..C.C.....	.....	[560]
#EF681807.1_Jamestown_Canyon_virus_isolate_468-04_segment_S_nucleocapsid_protein	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681808.1_Jamestown_Canyon_virus_isolate_2179-00_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681809.1_Jamestown_Canyon_virus_isolate_779-98_segment_S_nucleocapsid_protein	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681810.1_Jamestown_Canyon_virus_isolate_810-98_segment_S_nucleocapsid_protein	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.C.....	T.....G..	....C.....	A.....	[560]
#EF681811.1_Jamestown_Canyon_virus_isolate_811-00_segment_S_nucleocapsid_protein	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681812.1_Jamestown_Canyon_virus_isolate_1697-03_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681813.1_Jamestown_Canyon_virus_isolate_1425-02_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681814.1_Jamestown_Canyon_virus_isolate_1441-04_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681815.1_Jamestown_Canyon_virus_isolate_928-00_segment_S_nucleocapsid_protein	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681816.1_Jamestown_Canyon_virus_isolate_1064-03_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	..C.....	.....G..G	..C.C.....	A.....	[560]
#EF681817.1_Jamestown_Canyon_virus_isolate_1369-02_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681818.1_Jamestown_Canyon_virus_isolate_1627-04_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681819.1_Jamestown_Canyon_virus_isolate_1810-02_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681820.1_Jamestown_Canyon_virus_isolate_2384-98_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681821.1_Jamestown_Canyon_virus_isolate_2707-01_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681822.1_Jamestown_Canyon_virus_isolate_2718-01_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681823.1_Jamestown_Canyon_virus_isolate_3280-03_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681824.1_Jamestown_Canyon_virus_isolate_3324-04_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681825.1_Jamestown_Canyon_virus_isolate_3573-03_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.C.....	T.....G..	....C.....	A.....	[560]
#EF681826.1_Jamestown_Canyon_virus_isolate_3682-00_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681827.1_Jamestown_Canyon_virus_isolate_4148-03_segment_S_nucleocapsid_protei	.....C....	G..T.....	.....C..G..	..T.....	..C.....	.....G..G	..C.C.....	A.....	[560]
#EF681828.1_Jamestown_Canyon_virus_isolate_4473-00_segment_S_nucleocapsid_protei	.....C....	G..T.....	.....C..G..	..T.....	..C.....	.....G..G	..C.C.....	A.....	[560]
#EF681829.1_Jamestown_Canyon_virus_isolate_4742-04_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..	....C.....	.....	[560]
#EF681830.1_Jamestown_Canyon_virus_isolate_2274-05_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681831.1_Jamestown_Canyon_virus_isolate_1472-05_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681832.1_Jamestown_Canyon_virus_isolate_4910-02_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681833.1_Jamestown_Canyon_virus_isolate_275-01_segment_S_nucleocapsid_protein	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681834.1_Jamestown_Canyon_virus_isolate_339-05_segment_S_nucleocapsid_protein	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681835.1_Jamestown_Canyon_virus_isolate_3836-05_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681836.1_Jamestown_Canyon_virus_isolate_2286-00_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.C.....	T.....G..	....C.....	A.....	[560]
#EF681837.1_Jamestown_Canyon_virus_isolate_1044-05_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681838.1_Jamestown_Canyon_virus_isolate_978-99_segment_S_nucleocapsid_protein	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..	....C.....	.....	[560]
#EF681839.1_Jamestown_Canyon_virus_isolate_4832-01_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681841.1_Jamestown_Canyon_virus_isolate_7101-03_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681842.1_Jamestown_Canyon_virus_isolate_Simsbury_segment_S_nucleocapsid_prote	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681843.1_Jamestown_Canyon_virus_isolate_8011-03_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681844.1_Jamestown_Canyon_virus_isolate_8536-03_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681845.1_Jamestown_Canyon_virus_isolate_11497-03_segment_S_nucleocapsid_prote	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681846.1_Jamestown_Canyon_virus_isolate_13995-03_segment_S_nucleocapsid_prote	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681847.1_Jamestown_Canyon_virus_isolate_1768-98_segment_S_nucleocapsid_protei	..A.C.C.C.	G..T.....	.....C.....	..T.....	..C.....	T.....G..	....C.....	A.....	[560]
#EF681848.1_Jamestown_Canyon_virus_isolate_1385-06_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]
#EF681849.1_Jamestown_Canyon_virus_isolate_2989-06_segment_S_nucleocapsid_protei	.....C....	A..T.....	.....C..G..	..T.....	.CC.....	T..G..G..G	....C.....	.....	[560]



#MH370817.1\_Jamestown\_Canyon\_virus\_isolate\_L36708\_segment\_S\_complete\_sequence ..A..C..C. .G..T..... ..C..... ..T..... ..C..... .T.....G .....C.... .A..... [560]  
#MH370820.1\_Jamestown\_Canyon\_virus\_isolate\_MN256-260\_segment\_S\_complete\_sequence .....C.... .A..T..... ..C..G.... ..T..... ..CC.G..... T..G..G..G ..... [560]  
#U12799.1\_Jamestown\_Canyon\_virus\_DAV28\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_com ..A..C..C. .G..T..... ..C..... ..T..... ..C.C..... .T.G..G..G .....C..G. .A..... [560]  
#U12796.1\_Jamestown\_Canyon\_virus\_61v2235\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_c ..A..C..C. .G..T..... ..C..... ..T..... ..C.C..... .T.G..G..G .....C..G. .A..... [560]  
#KM215561.1\_Jamestown\_Canyon\_virus\_isolate\_W23697\_nucleocapsid\_protein\_and\_nonst .....C.... .A..T..... ..C..G.... ..T..... ..CC.G..... T..G..G..G .....C..G. .... [560]  
#KT288271.1\_Inkoo\_virus\_strain\_LEIV-15248Iv\_segment\_S\_nucleoprotein\_(N)\_gene\_com ..A..C.... .A..T..... ..C..G.... ..T..... ..C..... ..G..G..G ..A..T..G. .A..... [560]  
#KT288274.1\_Inkoo\_virus\_strain\_LEIV-18154Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co ..A..C..A. .A..T..... ..C..... ..T..... ..C..... ..G..G..G ..A..T..G. .A..... [560]  
#KT288275.1\_Inkoo\_virus\_strain\_LEIV-9874Kar\_segment\_S\_nucleoprotein\_(N)\_gene\_com ..A..C.... .A..T..... ..C..G.... ..T..... ..C..... ..G..G..G ..A..T..G. .A..... [560]  
#KT288277.1\_Inkoo\_virus\_strain\_LEIV-18784Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co ..A..C..A. .A..T..... ..C..... ..T..... ..C..... ..G..G..G ..A..T..G. .A..... [560]  
#KT288280.1\_Inkoo\_virus\_strain\_LEIV-22780Tyum\_segment\_S\_nucleoprotein\_(N)\_gene\_c ..A..C..A. .A..T..... ..C..G.... ..C..... ..C..... ..G..G..G ..A..T..G. .A..... [560]  
#KT288283.1\_Inkoo\_virus\_strain\_LEIV-18152Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co ..A..C..A. .A..T..... ..C..... ..T..... ..C..... ..G..G..G ..A..T..G. .A..... [560]  
#KT288286.1\_Inkoo\_virus\_strain\_LEIV-21643Kra\_segment\_S\_nucleoprotein\_(N)\_gene\_co ..A..C.... .A..T..... ..C..G.... ..T..... ..C..... ..G..G..G ..A..T..G. .A..T.... [560]  
#KX554935.1\_Inkoo\_virus\_strain\_Lovanger\_nucleocapsid\_protein\_and\_nonstructural\_p ..A..C.... .A..T..... ..C..G.... ..T..... ..C..... ..G..G..G ..A..T..G. .A..... [560]  
#U47137.1\_Inkoo\_virus\_Prototype\_KN3641\_nucleocapsid\_protein\_and\_non-structural\_p ..A..C.... .A..T..... ..C..G.... ..T..... ..C..... ..G..G..G ..A..T..G. .A..T.... [560]  
#U47138.1\_Inkoo\_virus\_SW\_AR\_83-161\_nucleocapsid\_protein\_and\_non-structural\_prote ..A..C.... .G..T..... ..C..G.... ..T..... ..C..... ..G..G..G ..A..T..G. .A.....C.. [560]  
#268496.1\_Inkoo\_virus\_RNA\_for\_N\_protein\_and\_RNA\_for\_NS\_protein\_strain\_KN\_3641 ..A..C.... .A..T..... ..C..G.... ..T..... ..C..... ..G..G..G ..A..T..G. .A..T.... [560]

#KT630290.1\_Keystone\_virus\_strain\_KEYV/Ochlerotatus\_atlanticus/USA/KEYVLK01/2005 GACATTGACT GCAGACAAAT GGATGGCTCA AAAGACATCT ATGATTACAA AGAGCCTCAA AGATGTAGAG CAGCTCAAGT [640]  
#KT630293.1\_Keystone\_virus\_strain\_KEYV/Ochlerotatus\_atlanticus/USA/KEYVLK02/2005 .....T.... .....G... .....T.... [640]  
#MH016786.1\_Keystone\_virus\_strain\_KEYV/Homo\_sapiens/Gainesville-1/2016\_nucleopro ..... [640]  
#KX817323.1\_Keystone\_virus\_strain\_B64-5587.05\_segment\_S\_complete\_sequence ..... [640]  
#MG821231.1\_Keystone\_virus\_isolate\_AR14033\_segment\_S\_complete\_sequence .....A..... .....A..... .....G..... .....AA.T.... [640]  
#MG765471.1\_Keystone\_virus\_isolate\_AVA1709441\_nucleocapsid\_and\_NsS\_genes\_complet .....A..... .....G..... .....A..... .....G..... .....AA.T.... [640]  
#KX817329.1\_Melao\_virus\_strain\_TRVL\_9375\_segment\_S\_complete\_sequence C..C..... .....A..... .....A..CA.. .....G.T. ....A....G. ....G..... [640]  
#KX817335.1\_Serra\_do\_Navio\_virus\_strain\_BeAr\_103645\_segment\_S\_complete\_sequence A..CC....A.....G..... .....A..... .....A..TGT. T.A..C.... .....A....G.....T....T.G.... [640]  
#KX817320.1\_Jerry\_Slough\_virus\_strain\_BFS\_4474\_segment\_S\_complete\_sequence C..C..... .....G..... .....A.....G.....GTG C.C...G.T. ....T.G..G.....T.... [640]  
#KX817338.1\_South\_River\_virus\_strain\_NJO-94F\_segment\_S\_complete\_sequence C..C.....G..T.A..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....G.....T.A. [640]  
#GU018050.2\_South\_River\_virus\_isolate\_SORV-252\_nucleoprotein\_and\_NsS\_protein\_gen C..C..A... ..C.A.... .....A..... .....A...GTA C.T...G.C. ....A...T.A.. .....G....T.A. [640]  
#EF681804.1\_Jamestown\_Canyon\_virus\_isolate\_5592-02\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681805.1\_Jamestown\_Canyon\_virus\_isolate\_368-99\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681806.1\_Jamestown\_Canyon\_virus\_isolate\_6163-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681807.1\_Jamestown\_Canyon\_virus\_isolate\_468-04\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681808.1\_Jamestown\_Canyon\_virus\_isolate\_2179-00\_segment\_S\_nucleocapsid\_protei C.TC..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681809.1\_Jamestown\_Canyon\_virus\_isolate\_779-98\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681810.1\_Jamestown\_Canyon\_virus\_isolate\_810-98\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681811.1\_Jamestown\_Canyon\_virus\_isolate\_811-00\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681812.1\_Jamestown\_Canyon\_virus\_isolate\_1697-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681813.1\_Jamestown\_Canyon\_virus\_isolate\_1425-02\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681814.1\_Jamestown\_Canyon\_virus\_isolate\_1441-04\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681815.1\_Jamestown\_Canyon\_virus\_isolate\_928-00\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681816.1\_Jamestown\_Canyon\_virus\_isolate\_1064-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....T....A....A. [640]  
#EF681817.1\_Jamestown\_Canyon\_virus\_isolate\_1369-02\_segment\_S\_nucleocapsid\_protei C..C..A... ..G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681818.1\_Jamestown\_Canyon\_virus\_isolate\_1627-04\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.T...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681819.1\_Jamestown\_Canyon\_virus\_isolate\_1810-02\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681820.1\_Jamestown\_Canyon\_virus\_isolate\_2384-98\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....G.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681821.1\_Jamestown\_Canyon\_virus\_isolate\_2707-01\_segment\_S\_nucleocapsid\_protei T..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681822.1\_Jamestown\_Canyon\_virus\_isolate\_2718-01\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681823.1\_Jamestown\_Canyon\_virus\_isolate\_3280-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681824.1\_Jamestown\_Canyon\_virus\_isolate\_3324-04\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681825.1\_Jamestown\_Canyon\_virus\_isolate\_3573-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....T.A..A....A. [640]  
#EF681826.1\_Jamestown\_Canyon\_virus\_isolate\_3682-00\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681827.1\_Jamestown\_Canyon\_virus\_isolate\_4148-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....T....A....A. [640]  
#EF681828.1\_Jamestown\_Canyon\_virus\_isolate\_4473-00\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....T....A....A. [640]  
#EF681829.1\_Jamestown\_Canyon\_virus\_isolate\_4742-04\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681830.1\_Jamestown\_Canyon\_virus\_isolate\_2274-05\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681831.1\_Jamestown\_Canyon\_virus\_isolate\_1472-05\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681832.1\_Jamestown\_Canyon\_virus\_isolate\_4910-02\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681833.1\_Jamestown\_Canyon\_virus\_isolate\_275-01\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681834.1\_Jamestown\_Canyon\_virus\_isolate\_339-05\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681835.1\_Jamestown\_Canyon\_virus\_isolate\_3836-05\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681836.1\_Jamestown\_Canyon\_virus\_isolate\_2286-00\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681837.1\_Jamestown\_Canyon\_virus\_isolate\_1044-05\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681838.1\_Jamestown\_Canyon\_virus\_isolate\_978-99\_segment\_S\_nucleocapsid\_protein C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681839.1\_Jamestown\_Canyon\_virus\_isolate\_4832-01\_segment\_S\_nucleocapsid\_protei C.TC..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681841.1\_Jamestown\_Canyon\_virus\_isolate\_7101-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681842.1\_Jamestown\_Canyon\_virus\_isolate\_Simsbury\_segment\_S\_nucleocapsid\_prote C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681843.1\_Jamestown\_Canyon\_virus\_isolate\_8011-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....G.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681844.1\_Jamestown\_Canyon\_virus\_isolate\_8536-03\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681845.1\_Jamestown\_Canyon\_virus\_isolate\_11497-03\_segment\_S\_nucleocapsid\_prote C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681846.1\_Jamestown\_Canyon\_virus\_isolate\_13995-03\_segment\_S\_nucleocapsid\_prote C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681847.1\_Jamestown\_Canyon\_virus\_isolate\_1768-98\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.C. ....T.A..G.....T.A..A....A. [640]  
#EF681848.1\_Jamestown\_Canyon\_virus\_isolate\_1385-06\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]  
#EF681849.1\_Jamestown\_Canyon\_virus\_isolate\_2989-06\_segment\_S\_nucleocapsid\_protei C..C..... .....G..G..... .....A.....G.....GTG C.C...G.T. ....T.A..G.....A.....T.A. [640]



#MH370817.1\_Jamestown\_Canyon\_virus\_isolate\_L36708\_segment\_S\_complete\_sequence C..C..... ..G..G. ....A.. G.....GTG C.C...G.C. ....T..A.. G.....T..A ..A....A. [640]  
#MH370820.1\_Jamestown\_Canyon\_virus\_isolate\_MN256-260\_segment\_S\_complete\_sequence C..C..A... ..G..G. ....A.. G.....GTG C.C...G.T. ....T..A.. G.....A ....T..A. [640]  
#U12799.1\_Jamestown\_Canyon\_virus\_DAV28\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_com C..C..... ..G..G. ....A.. G.....GTG C.C...G.T. ....T.G.. G.....C... ..A....A. [640]  
#U12796.1\_Jamestown\_Canyon\_virus\_61v2235\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_c C..C..... ..G..G. ....G.. G.....GTG C.C...G.T. ....T.G.. G.....C... ..A....A. [640]  
#KM215561.1\_Jamestown\_Canyon\_virus\_isolate\_W23697\_nucleocapsid\_protein\_and\_nonst C..C..... ..G..G. ....A.. G.....GTG C.C...G.T. ....T..A.. G.....A ....T..A. [640]  
#KT288271.1\_Inkoo\_virus\_strain\_LEIV-15248Iv\_segment\_S\_nucleoprotein\_(N)\_gene\_com C..C..... ..G... ..A.. G.....GTG C.C...G.T. .A..T..A.. G.....T... ..T..A. [640]  
#KT288274.1\_Inkoo\_virus\_strain\_LEIV-18154Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co C..C..... ..G... ..A.. G.....GTA C.C...G.T. ....T..A.. G.....T... ..A....A. [640]  
#KT288275.1\_Inkoo\_virus\_strain\_LEIV-9874Kar\_segment\_S\_nucleoprotein\_(N)\_gene\_com C..C..... ..G... ..A.. G.....GTG C.C...G.T. .A..T..A.. G.....T... ..T..A. [640]  
#KT288277.1\_Inkoo\_virus\_strain\_LEIV-18784Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co C..C..... ..G... ..A.. G.....GTA C.C...G.T. ....T..A.. G.....T... ..A....A. [640]  
#KT288280.1\_Inkoo\_virus\_strain\_LEIV-22780Tyum\_segment\_S\_nucleoprotein\_(N)\_gene\_c C..C..A... ..G... ..A.. G.....GTG C.C...G.T. ....T..A.. G.....C... ..A....A. [640]  
#KT288283.1\_Inkoo\_virus\_strain\_LEIV-18152Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co C..C..... ..G... ..A.. G.....GTA C.C...G.T. ....T..A.. G.....T... ..A....A. [640]  
#KT288286.1\_Inkoo\_virus\_strain\_LEIV-21643Kra\_segment\_S\_nucleoprotein\_(N)\_gene\_co C..C..... ..A... ..A.. G.....GTG C.C...G.T. .A....A.. G.....T... ..T..A. [640]  
#KX554935.1\_Inkoo\_virus\_strain\_Lovanger\_nucleocapsid\_protein\_and\_nonstructural\_p C..C..... ..G... ..A.. G.....GTG C.C...G.T. .A..T..A.. G.....T... ..T..A. [640]  
#U47137.1\_Inkoo\_virus\_Prototype\_KN3641\_nucleocapsid\_protein\_and\_non-structural\_p C..C..... ..G... ..A.. G.....GTG C.C...G.T. .A....A.. G.....T... ..T..A. [640]  
#U47138.1\_Inkoo\_virus\_SW\_AR\_83-161\_nucleocapsid\_protein\_and\_non-structural\_prot C..C..... ..G... ..A.. G.....GTG C.C...G.T. .A..T..A.. G.....T... ..T..A. [640]  
#268496.1\_Inkoo\_virus\_RNA\_for\_N\_protein\_and\_RNA\_for\_NS\_protein\_strain\_KN\_3641 C..C..... ..G... ..A.. G.....GTG C.C...G.T. .A....A.. G.....T... ..T..A. [640]



#KT630290.1\_Keystone\_virus\_strain\_KEYV/Ochlerotatus\_atlanticus/USA/KEYVLK01/2005 GGGGAAAGGG TGGTCTCAGC GATACTGCCA GAGCTTTTCT TGCTAAATTC GGTGTGAGAC TTCCATGA [708]  
#KT630293.1\_Keystone\_virus\_strain\_KEYV/Ochlerotatus\_atlanticus/USA/KEYVLK02/2005 .....C..... .....C.. .....C..... [708]  
#MH016786.1\_Keystone\_virus\_strain\_KEYV/Homo\_sapiens/Gainesville-1/2016\_nucleopro ..... [708]  
#KX817323.1\_Keystone\_virus\_strain\_B64-5587.05\_segment\_S\_complete\_sequence ..... [708]  
#MG821231.1\_Keystone\_virus\_isolate\_AR14033\_segment\_S\_complete\_sequence .....A..... .....A.....C.....G.....C..C.AG..... [708]  
#MG765471.1\_Keystone\_virus\_isolate\_AVA1709441\_nucleocapsid\_and\_NsS\_genes\_complet .....A..... .....A.....C.....G.....C..C.AG..... [708]  
#KX817329.1\_Melao\_virus\_strain\_TRVL\_9375\_segment\_S\_complete\_sequence ...T.... G....T.T ...G....T...A.A.C...CAG.G...T....A. [708]  
#KX817335.1\_Serra\_do\_Navio\_virus\_strain\_BeAr\_103645\_segment\_S\_complete\_sequence .....GA.. A...T.G..T ...G.....A.A.C...AT.....T....C.AG.....A. [708]  
#KX817320.1\_Jerry\_Slough\_virus\_strain\_BFS\_4474\_segment\_S\_complete\_sequence .....GA.. A....T..T ...G....A...A...CT. GATC....T....A.A...G...A. [708]  
#KX817338.1\_South\_River\_virus\_strain\_NJO-94F\_segment\_S\_complete\_sequence .....GA.. A.....T...G....A...A.C..CT. GATC....T.....A.T..G..T... [708]  
#GU018050.2\_South\_River\_virus\_isolate\_SORV-252\_nucleoprotein\_and\_NsS\_protein\_gen .....GA.. A.....G....A...GA.C..CT. GAT.....T.....A.T..G..T... [708]  
#EF681804.1\_Jamestown\_Canyon\_virus\_isolate\_5592-02\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681805.1\_Jamestown\_Canyon\_virus\_isolate\_368-99\_segment\_S\_nucleocapsid\_protein .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681806.1\_Jamestown\_Canyon\_virus\_isolate\_6163-03\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681807.1\_Jamestown\_Canyon\_virus\_isolate\_468-04\_segment\_S\_nucleocapsid\_protein .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681808.1\_Jamestown\_Canyon\_virus\_isolate\_2179-00\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681809.1\_Jamestown\_Canyon\_virus\_isolate\_779-98\_segment\_S\_nucleocapsid\_protein .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681810.1\_Jamestown\_Canyon\_virus\_isolate\_810-98\_segment\_S\_nucleocapsid\_protein .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681811.1\_Jamestown\_Canyon\_virus\_isolate\_811-00\_segment\_S\_nucleocapsid\_protein .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681812.1\_Jamestown\_Canyon\_virus\_isolate\_1697-03\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681813.1\_Jamestown\_Canyon\_virus\_isolate\_1425-02\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681814.1\_Jamestown\_Canyon\_virus\_isolate\_1441-04\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681815.1\_Jamestown\_Canyon\_virus\_isolate\_928-00\_segment\_S\_nucleocapsid\_protein .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681816.1\_Jamestown\_Canyon\_virus\_isolate\_1064-03\_segment\_S\_nucleocapsid\_protei .....GA.. A..G....T...G....A...A.C..C...GATC....T.....A...G..T.A. [708]  
#EF681817.1\_Jamestown\_Canyon\_virus\_isolate\_1369-02\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..C.A. [708]  
#EF681818.1\_Jamestown\_Canyon\_virus\_isolate\_1627-04\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681819.1\_Jamestown\_Canyon\_virus\_isolate\_1810-02\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681820.1\_Jamestown\_Canyon\_virus\_isolate\_2384-98\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681821.1\_Jamestown\_Canyon\_virus\_isolate\_2707-01\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681822.1\_Jamestown\_Canyon\_virus\_isolate\_2718-01\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681823.1\_Jamestown\_Canyon\_virus\_isolate\_3280-03\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...A..T... [708]  
#EF681824.1\_Jamestown\_Canyon\_virus\_isolate\_3324-04\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681825.1\_Jamestown\_Canyon\_virus\_isolate\_3573-03\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681826.1\_Jamestown\_Canyon\_virus\_isolate\_3682-00\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681827.1\_Jamestown\_Canyon\_virus\_isolate\_4148-03\_segment\_S\_nucleocapsid\_protei .....GA.. A..G....T...G....A...A.C..C...GATC....T.....A...G..T.A. [708]  
#EF681828.1\_Jamestown\_Canyon\_virus\_isolate\_4473-00\_segment\_S\_nucleocapsid\_protei .....GA.. A..G....T...G....A...A.C..C...GATC....T.....A...G..T.A. [708]  
#EF681829.1\_Jamestown\_Canyon\_virus\_isolate\_4742-04\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681830.1\_Jamestown\_Canyon\_virus\_isolate\_2274-05\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..C...GATC....T.....A...G..T.A. [708]  
#EF681831.1\_Jamestown\_Canyon\_virus\_isolate\_1472-05\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..C.A. [708]  
#EF681832.1\_Jamestown\_Canyon\_virus\_isolate\_4910-02\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681833.1\_Jamestown\_Canyon\_virus\_isolate\_275-01\_segment\_S\_nucleocapsid\_protein .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681834.1\_Jamestown\_Canyon\_virus\_isolate\_339-05\_segment\_S\_nucleocapsid\_protein .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681835.1\_Jamestown\_Canyon\_virus\_isolate\_3836-05\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..C...GATC....T.....A...G..T.A. [708]  
#EF681836.1\_Jamestown\_Canyon\_virus\_isolate\_2286-00\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681837.1\_Jamestown\_Canyon\_virus\_isolate\_1044-05\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681838.1\_Jamestown\_Canyon\_virus\_isolate\_978-99\_segment\_S\_nucleocapsid\_protein .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681839.1\_Jamestown\_Canyon\_virus\_isolate\_4832-01\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681841.1\_Jamestown\_Canyon\_virus\_isolate\_7101-03\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..C...GATC....T.....A...G..T.A. [708]  
#EF681842.1\_Jamestown\_Canyon\_virus\_isolate\_Simsbury\_segment\_S\_nucleocapsid\_prote .....GA.. A..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681843.1\_Jamestown\_Canyon\_virus\_isolate\_8011-03\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681844.1\_Jamestown\_Canyon\_virus\_isolate\_8536-03\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681845.1\_Jamestown\_Canyon\_virus\_isolate\_11497-03\_segment\_S\_nucleocapsid\_prote .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681846.1\_Jamestown\_Canyon\_virus\_isolate\_13995-03\_segment\_S\_nucleocapsid\_prote .....GA.. G..G..T...G....A...A.C..C...GATC....T.....A...G..T.A. [708]  
#EF681847.1\_Jamestown\_Canyon\_virus\_isolate\_1768-98\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.A..CT. GATC.....A.A...G..T... [708]  
#EF681848.1\_Jamestown\_Canyon\_virus\_isolate\_1385-06\_segment\_S\_nucleocapsid\_protei .....GA.. G..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]  
#EF681849.1\_Jamestown\_Canyon\_virus\_isolate\_2989-06\_segment\_S\_nucleocapsid\_protei .....GA.. A..G..T...G....A...A.C..CT. GATC....T.....A...G..T.A. [708]



#MH370817.1\_Jamestown\_Canyon\_virus\_isolate\_L36708\_segment\_S\_complete\_sequence .....GA.. A..G..T... ..G...A. ..A.A..CT. GATC..... ..A.A.. .G..T... [708]  
#MH370820.1\_Jamestown\_Canyon\_virus\_isolate\_MN256-260\_segment\_S\_complete\_sequence .....GA.. A..C..T... ..G...A. ..A.C..CT. GATC.....T .....A.A.T .G..T.A. [708]  
#U12799.1\_Jamestown\_Canyon\_virus\_DAV28\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_com .....GA.. A..A..T..T ..G...A. ..A.C..CT. GATC.....T .....A.AGT .G...A. [708]  
#U12796.1\_Jamestown\_Canyon\_virus\_61v2235\_S\_RNA\_segment\_N\_and\_NSs\_protein\_genes\_c .....GA.. A..A..T..T ..G...A. ..A.C..CT. GATC.....T .....A.AGT .G...A. [708]  
#KM215561.1\_Jamestown\_Canyon\_virus\_isolate\_W23697\_nucleocapsid\_protein\_and\_nonst .....GA.. A..C..T... ..G...A. ..A.C..C.. GATC..G..T .....A.T .G..T.A. [708]  
#KT288271.1\_Inkoo\_virus\_strain\_LEIV-15248Iv\_segment\_S\_nucleoprotein\_(N)\_gene\_com ....G.GA.. A..A..T..T ..G...A. ..A.C..C.. GATC.....T .....A.A.. .G..T.A. [708]  
#KT288274.1\_Inkoo\_virus\_strain\_LEIV-18154Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co .....GA.. A..A..T... ..G...A. ..A.C..CT. GATC.....T .....A.. .G..T.A. [708]  
#KT288275.1\_Inkoo\_virus\_strain\_LEIV-9874Kar\_segment\_S\_nucleoprotein\_(N)\_gene\_com ....G.GA.. A..A..T..T ..G...A. ..A.C..C.. GATC.....T .....A.A.. .G..T.A. [708]  
#KT288277.1\_Inkoo\_virus\_strain\_LEIV-18784Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co .....GA.. A..A..T... ..G...A. ..A.C..CT. GATC.....T .....A.. .G..T.A. [708]  
#KT288280.1\_Inkoo\_virus\_strain\_LEIV-22780Tyum\_segment\_S\_nucleoprotein\_(N)\_gene\_c .....GA.. A..A..T... ..G...A. ..A.C..CT. GATC.....T .....A.. .G..T.A. [708]  
#KT288283.1\_Inkoo\_virus\_strain\_LEIV-18152Yak\_segment\_S\_nucleoprotein\_(N)\_gene\_co .....GA.. A..A..T... ..G...A. ..A.C..CT. GATC.....T .....A.. .G..T.A. [708]  
#KT288286.1\_Inkoo\_virus\_strain\_LEIV-21643Kra\_segment\_S\_nucleoprotein\_(N)\_gene\_co .....GA.. A..A..T... ..G...A. ..A...CT. GATC.....T .....A.A.. .G..T.A. [708]  
#KX554935.1\_Inkoo\_virus\_strain\_Lovanger\_nucleocapsid\_protein\_and\_nonstructural\_p ....G.GA.. A..A..T..T ..G...A. ..A.C..C.. GATC.....T .....A.A.. .G..T.A. [708]  
#U47137.1\_Inkoo\_virus\_Prototype\_KN3641\_nucleocapsid\_protein\_and\_non-structural\_p .....GA.. A..A..T..T ..G...A. ..A...CT. GATC.....T .....A.AG. .G..T.A. [708]  
#U47138.1\_Inkoo\_virus\_SW\_AR\_83-161\_nucleocapsid\_protein\_and\_non-structural\_prote ....G.GA.. A..A..T..T ..G...A. ..A.C..C.. GATC.....T .....A.A.. .G..T.A. [708]  
#268496.1\_Inkoo\_virus\_RNA\_for\_N\_protein\_and\_RNA\_for\_NS\_protein\_strain\_KN\_3641 .....GA.. A..A..T..T ..G...A. ..A...CT. GATC.....T .....A.AG. .G..T.A. [708]

**Supplemental Document 3:** merged fragments reassortment analyses. Segments L and M were merged, separated by 10 “Ns” and scanned with RDP4 algorithms. The breakpoints identified by RDP4 match the boundaries of the segments.

Breakpoint Positions relative to B64-5587.05 (segments L+M)				
Start	End	Reassorting Sequence(s)	Minor Parental Sequence(s)	Major Parental Sequence(s)
6958	11440	^B64-5587.05_segLM	AVA1709441_segLM	Unknown (StJohnsCounty-FL3_2019_segLM)
		KEYVLK01_2005_segLM	AR14033_segLM	Unknown(StJohnsCounty-FL2_2019_segLM)
		KEYVLK02_2005_segLM	StJohnsCounty-FL_2019_segLM	Unknown(StJohnsCounty-FL4_2019_segLM)
		Gainesville-1_2016_segLM		Unknown(StJohnsCounty-FL5_2019_segLM)

Table key:

^ = The reassorted sequence may have been misidentified (one of the identified parents might be the reassorted)

Minor Parent = Parent contributing the smaller fraction of sequence.

Major Parent = Parent contributing the larger fraction of sequence.

Unknown = Only one parent and a reassorted need be in the alignment for a reassortment event to be detectable. The sequence listed as unknown was used to infer the existence of a missing parental sequence.